



DE FLOREZ COMPLEX

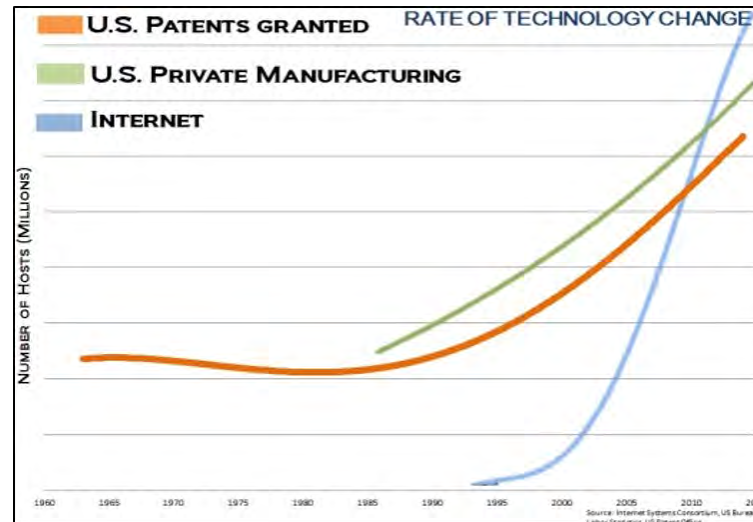
Training & Simulation Industry Symposium (TSIS)

CAPT Dan Covelli – Commanding Officer

15 June 2022



FORCES DRIVING OUR NAVY

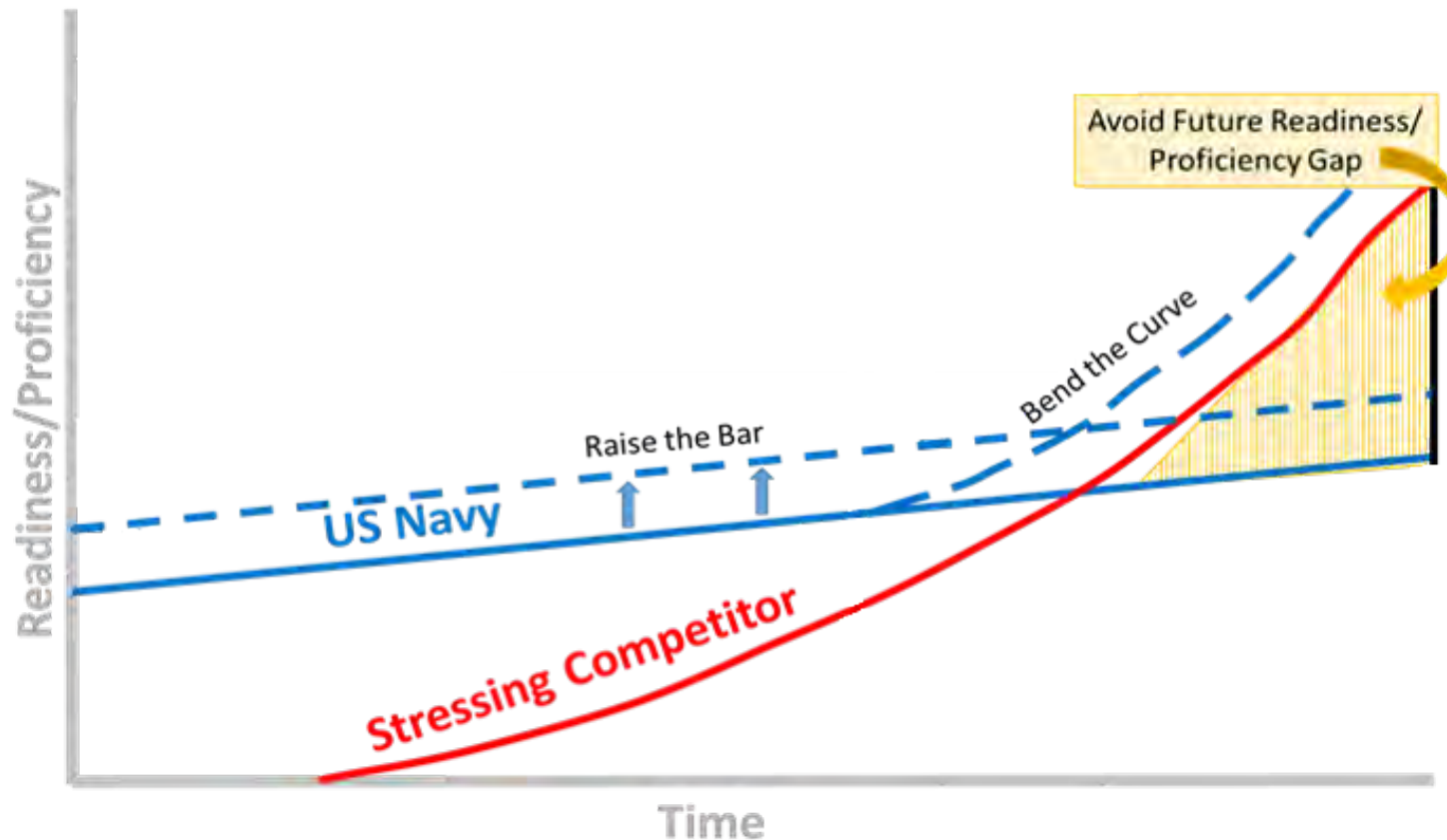


BEND THE CURVE

READINESS = Platform + People + Training

PROFICIENCY = Readiness + Reps/Sets

SUPREMACY = Blue > Red Proficiency



Training needs to be:

- + Higher Quality
- + More Accessible (DMT)
- + More Frequent

Not just incremental gains, but greater proficiency relative to competitor!





FY21 OBLIGATIONS: \$1,149,072,457
CONTRACT ACTIONS: 1,352

	FY21
Personnel	1,563
Government Civilian	1,273
CSS	253
Military	40

AIR WARFARE AND MUCH MORE

+ Naval Aviation



PROJECTS
52
FTE WYS
561
PGM VALUE
\$1,900M

+ Surface



PROJECTS
56
FTE WYS
172
PGM VALUE
\$412M

+ Undersea



PROJECTS
38
FTE WYS
62
PGM VALUE
\$72M

+ Cross Warfare



PROJECTS
78
FTE WYS
180
PGM VALUE
\$1,538M

+ Ready Relevant Learning



PROJECTS
7
FTE WYS
160
PGM VALUE
\$160M

+ International



PROJECTS
42
FTE WYS
111
PGM VALUE
\$1,043M

NAWCTSD SITES



CNAP	Devices	Contractor	ISEs
North Island	33	105	10
Mugu	12	10	1
Pendleton	11	37	6
Miramar	17	65	5
Yuma	3+MAWTS	26	0
Whidbey Island	40	119	5
Lemoore	13	53	1
Tinker AFB	16	37	2
★ Kanehoe Bay	4	5	2
★ Atsugi	2	2	1
★ Futenma	3	3	1
★ Iwakuni	8	12	1

CNAL	Devices	Contractor	ISEs
Norfolk	36	117	10
Oceana	21	71	3
Jacksonville	64	161	8
Mayport	9	27	1
Quantico	4	6	1
Beaufort	5	19	0
New River	19	55	4
Cherry Point	15	57	6

RESFOR	Devices	Contractor	ISEs
New Orleans	3	5	0
Fallon	3	2	0
Fort Worth	9	19	0
Key West	1	2	0
Lakehurst	3	7	0
Norfolk	2	4	0

International Programs	Devices	Contractor	ISEs
★ Australia	8	12	1
★ Denmark	1	5	0
★ United Kingdom	7	8	0
★ Taiwan	3	2	0
★ Kuwait	1	21	0
★ Brazil	1	2	0
★ Iraq	10	1	0
★ Kingdom of Saudi Arabia	2	6	0
★ Oman	300	1	0



★ = Non-CONUS Locations

NAWTSD
1273 Gov't Personnel
207 Contractors
40 Military

2920 people supporting 1662 training devices at 169 sites worldwide Generating Fleet Readiness

Training Devices: 98% Operational Availability

NOTE:

Digital Radio Management System support at **20** Navy sites between NCTE and Ranges, **7** USAF sites, **2** U.S. Army sites

CNATRA	Devices	Contractor	ISEs
Kingsville	13	17	2
Corpus Christi	34	36	1
Pensacola	46	25	5
Whiting	79	50	3
Meridian	11	30	2

CNATT	Devices	Contractor	ISEs
Pensacola	26	23	3
Lakehurst	3	14	0

BUMED	Devices	Contractor	ISEs
Cherry Point	15	3	0
Norfolk	22	3	1
Jacksonville	5	2	0

SURFACE TRAINING SITES	Devices	Contractor	ISEs
Newport, RI	55	31	3
NB Norfolk	72	63	3
NB Little Creek	7	0	1
Mayport	20	29	4
NB San Diego	102	111	7
NB Coronado	7	0	1
★ Pearl Harbor, HI	8	10	1
★ Japan (Yoko and Sasebo)	2	5	0
Naval Station Everett	2	4	1
Great Lakes, IL	19	62	2
Rota	1	0	0
★ Bahrain	1	0	0
Pascagoula/Bath	2	0	0

SUBMARINE LEARNING CENTER	Devices	Contractor	ISEs
Groton, CT	50	9	3
Norfolk, VA	21	6	1
Kings Bay, GA	25	8	1
San Diego, CA	15	6	1
Bangor, WA	28	8	1
★ Pearl Harbor, HI	32	6	1
★ Guam	5	0	0

USMC/CNIC/CNATT	Devices	Contractor	ISEs
Firefighting Training at all USN/USMC bases	136	2	0

COVE	Devices	Colleges/Universities
NETC	109	88

Aviation Products

Distributed Mission Training (DMT)

DMT/NADTCLANT

- + Qualifications in COVID environment (CVW-7)
- + Large Force Strike Distributed Events in 2021
 - + Future increased T&R credit opportunities
- + Development of NAWDC approved Air Wing Pre/Post Fallon work up syllabus



Aviation Products

Project Avenger



Background

- + Class 1 at NAS Corpus Christi TW-4 (Aug 20 to Apr 21)

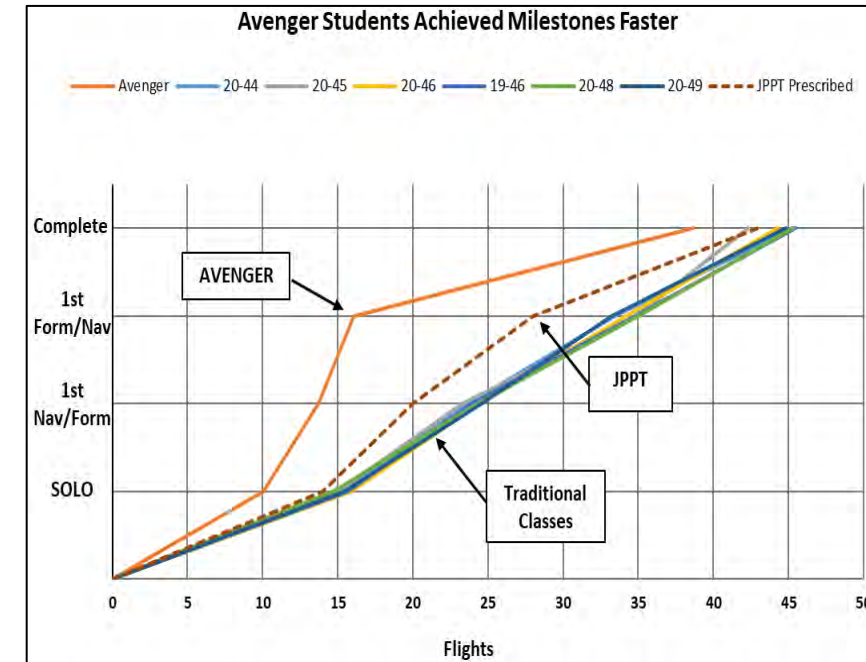
Objectives

- + Produce better, more self-sufficient aviator proficient in dynamic & fluid environments
- + Execute more efficient and effective syllabus
- + Reduce total time to train (TTT)
- + Identify potential off-ramps to follow on syllabi

Results

- + Produced higher quality SNA
- + Lower DOR rate
- + Lower sortie count with comparable flight hours
- + Faster progression to milestones
- + Lower TTT
- + Annual estimated potential cost savings

Sample Data Round 1			
	Flights	HRS	TTT
Traditional	48.6	73.3	28.9
Avenger	39.0	73.3	26.5



Surface & Undersea Products



NSST - Virtual state-of-the art bridge simulator for navigation & ship handling

Navigation, Seamanship & Shiphandling Trainer (NSST)
USS CHANCELLORSVILLE - Near miss with a Russian vessel

Training enabled by NAWCTSD responsible for ensuring crew was able to act accordingly to avoid a tragedy.

"I truly believe that one of the reasons we did not collide with the Russians was the training we had in the simulator..... The CO made the choice to go back full, but this was a what if discussion I had with him after an NSST session."
Navigator's email to CIS instructor, a retired USN CAPT



Big Part of Corrective Actions Identified in USS MCCAIN & USS FITZGERALD Reports

Surface & Undersea Products

Multi-Purpose Reconfigurable Training System (MRTS) 3D®

MRTS 3D® VIRGINIA Caterpillar diesel

- + Faster Progression/Completion (MAA A-school)
- + Equipment based training vs. MRTS 3D based training cost savings



MRTS 3D® VIRGINIA Torpedo Room

MRTS family of trainers provides a virtual training environment simulating a variety of tactical systems

"It makes the training more interactive and relevant to the technology they are using in everyday life."

EMALS - MALS Instructor Aviation Boatswain's Mate (Launching and Recovery) 1st Class J.C. Torres



MRTS 3D® VIRGINIA Emergency Diesel Generator

MRTS 3D Mobile Electric Power Plant (MEPP) trainer vs. legacy trainer retention of startup procedures comparison

- + Higher quality Sailor

EMALS Cost Savings

- + Equipment based training vs. MRTS 3D based training cost savings



Ready Relevant Learning (RRL) Products



Operations Specialist Rules of the Road

RRL delivered 2 Spirals of modernized Operations Specialist (OS) A-School

- + Increased test scores and overall course grades
- + Reduction in A-School course failures and setbacks



Operations Specialist Rules of the Road

RRL trained OS's reported to first Fleet ships

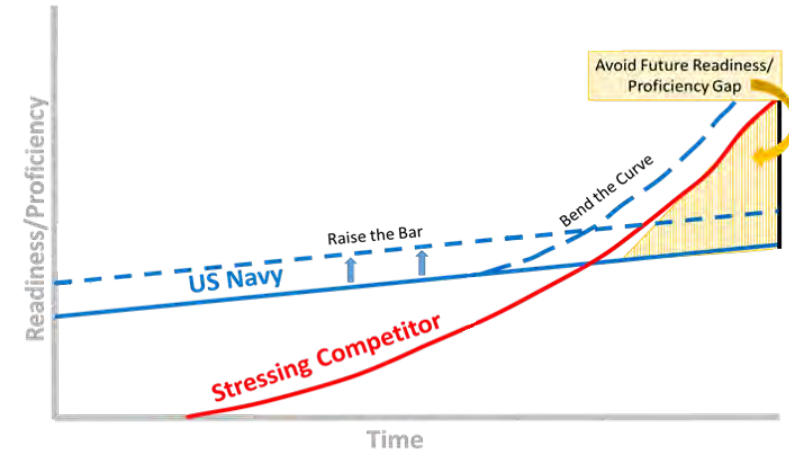
- + Reduction in time to qualify as Lookout for OS A-School graduates

North Star

Vision: To be the Fleet's Premier Provider for modeling, simulation and training, and human performance

To achieve that vision we must act on the Voice of the Customer

- + Go Faster
- + Reduce Cost



***We Are Committed to
Continuing to “Provide Great Products”***



FOCUS AREAS

The Customer

Availability

Speed

Affordability

OUR #1 PRIORITY ***Speed to the Fleet***

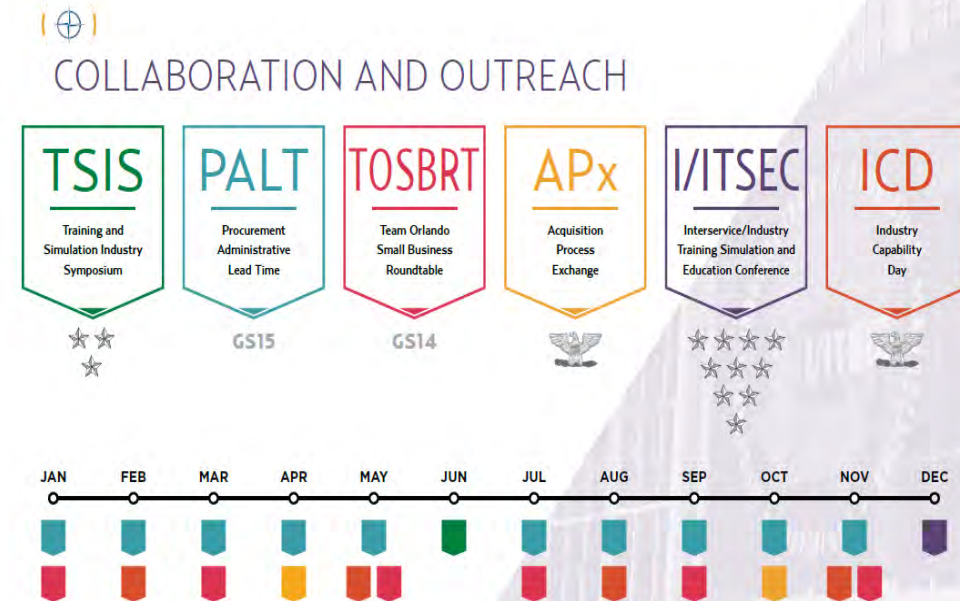
- + Acquire, test, install & field capability at **speed of relevance** – not at speed of acquisition process
- + Find ways to go faster, push the envelope, & **execute with acceptable risk**

SPEED TO THE FLEET

OUR #1 PRIORITY



- + Optimize legacy business processes
- + Strengthen industry partnerships & maintain focus on Fleet customer
- + Utilize timeliest & most effective delivery methods
- + Aggressively leverage emerging technologies
 - + Manage risk
 - + Invest in workforce & facilities
 - + Seek new partnerships & share expertise
 - + Yield empirically validated training capabilities (Fleet Focused)
- + Products will enable performance measurement & inoperability
 - + Provide relevant & timely training in affordable LVC environment



We Must Go Faster And Continue Doing The Good Things We Do

Questions



Acronyms



DMON – Distributed Mission Operations Network (Air Force)

DMT – Distributed Mission Training

DTNG – Distributed Training Network Guard

FETTN – FST-A Enterprise Tactical Training Network

FST-A – Fleet Synthetic Training – Aviation

NADMT – Naval Aviation Distributed Mission Training

NADTC – Naval Aviation Distributed Training Center

NCTE – Navy Continuous Training Environment

NETTN – Navy Enterprise Tactical Training Network

NGTS – Next Generation Threat Simulation

NOC – Network Operation Center

JSAF – Joint Semi-Automated Force

SAF – Simulated Automated Force

TES – Tactical Environment Simulation

